A B S T R A C T

In a definition file, a convention including a definition regulated with respect to a configuration of nodes which are information elements of protocol messages in communication with a communication terminal to be evaluated is described. An interface library is configured so as to include an application program interface which can provide and receive operational information with respect to the nodes of the protocol messages to and from an exterior section. A memory managing section manages various data relating to the nodes of the protocol messages. A decode processing section specifies a data region and a value of data allocated to each node in the protocol messages by processing to decode the protocol messages along the definition regulated in the definition file and in accordance with the operational information from the exterior section to the interface library, and delivers data for each node corresponding to the protocol messages to the memory managing section. An encode processing section generates a desired protocol message by combining the data relating to the nodes of the protocol messages managed at the memory managing section, along the definition regulated in the definition file and in accordance with the operational information from the exterior section to the interface library.